USB 3.0 to Gigabit Ethernet Adapter NIC w/ USB Port - White

**Product ID:** USB31000SPTW



The USB31000SPTW USB 3.0 to Gigabit Ethernet Adapter lets you add a Gigabit network port to your Macbook or Ultrabook computer through a USB 3.0 port, and features an integrated USB 3.0 pass-through port that keeps your USB port available for use with other peripherals. The RJ45 port supports 10/100/1000 Mbps Ethernet and is fully compatible with IEEE 802.3i/u/ab standards.

An ideal replacement LAN adapter or laptop accessory, this compact USB 3.0 NIC leverages the 5 Gbps speed of USB 3.0 to provide full gigabit bandwidth and also offers backward compatibility with USB 2.0 systems (speed limited by USB bus).

The adapter supports features such as IPv4/IPv6 packet Checksum Offload Engine (COE) and TCP large send offload to reduce the load on your CPU. Jumbo Frames, full-duplex operation with 802.3x flow control and VLAN tagging are also supported, making this an efficient and full-featured USB network adapter.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

## Applications

• Add Gigabit Ethernet capabilities to a desktop or laptop

• Replacement for a failed built-in Gigabit Ethernet port on a laptop

## Features

• Gigabit Ethernet port through a USB 3.0 / 2.0 connection

• Integrated USB 3.0 pass-through port

• IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX, and 1000BASE-T) compatible

• Crossover Detection & Auto-Correction (Auto MDIX)

• IEEE 802.1Q VLAN Tagging support

• Up to 4K Jumbo Frame support

• Supports Checksum Offload (IPv4, IPv6, TCP, UDP) and Large Send Offload

• Compact, lightweight design for maximum portability

## Hardware

| | | |
|---|---|---|
| | Warranty | 2 Years |
| | Ports | 1 |
| | Interface | RJ45 (Gigabit Ethernet) |
| | Bus Type | USB 3.0 |
| | USB Pass-Through | Yes |
| | Industry Standards | IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az |
| | Chipset ID | ASIX - AX88179 |
| | | VIA/VLI - VL811 |

## Performance

| | | |
|---|---|---|
| | Maximum Data Transfer Rate | 5 Gbps (USB 3.0) |
| | | 2 Gbps (Ethernet - Full-Duplex) |
| | Max Distance | 100 m / 330 ft |
| | Type and Rate | USB 3.0 - 5 Gbit/s |
| | Compatible Networks | 10/100/1000 Mbps |
| | Auto MDIX | Yes |
| | Full Duplex Support | Yes |
| | Jumbo Frame Support | 4K max. |

## Connector(s)

| | | |
|---|---|---|
| | Connector Type(s) | RJ-45 |

USB Type-A (9 pin) USB 3.0 (5 Gbps)

USB Type-A (9 pin) USB 3.0 (5 Gbps)

| | | |
|---|---|---|
| **Software** | | |
| | OS Compatibility | Windows XP, Vista, 7, 8, 8.1, 10, 11 |
| | | Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 |
| | | macOS 10.6 to 10.15, 11.3 and up - <i>VLAN tagging is currently not supported in macOS</i> |
| | | Linux Kernel 2.6.25 to 4.11.x <i>LTS Versions only</i> |
| **Special Notes / Requirements** | | |
| | System and Cable Requirements | Available USB Port |
| **Indicators** | | |
| | LED Indicators | Gigabit Link/Activity (Amber) |
| | | 10/100 Link/Activity (Green) |
| **Power** | | |
| | Power Source | USB-Powered |
| **Environmental** | | |
| | Operating Temperature | 0C to 50C (32F to 122F) |
| | Storage Temperature | -20C to 60C (-4F to 140F) |
| | Humidity | 5~85% RH |
| **Physical Characteristics** | | |
| | Color | White |
| | Form Factor | Attached Cable |
| | Material | Plastic |
| | Cable Length | 6.1 in [15.5 cm] |
| | Product Length | 5.0 in [12.6 cm] |
| | Product Width | 1.4 in [35 mm] |

| | | |
|---|---|---|
| Product Height | 0.7 in [17 mm] | |
| Weight of Product | 1.6 oz [44 g] | |

**Packaging Information**

| | | |
|---|---|---|
| Package Length | 5.6 in [14.3 cm] | |
| Package Width | 6.7 in [17 cm] | |
| Package Height | 1.1 in [29 mm] | |
| Shipping (Package) Weight | 4.7 oz [132 g] | |

**What's in the Box**

| | | |
|---|---|---|
| Included in Package | USB 3.0 Network Adapter | |
| | Driver CD | |
| | Instruction Manual | |

*\*Product appearance and specifications are subject to change without notice.*